Title (en)

Gain correction of image signal and calibration for gain correction

Title (de)

Bildsignal-Verstärkungskorrektion und Kalibrierung zur Verstärkungskorrektion

Title (fr)

Correction de gain d'un signal d'image et calibration pour correction de gain

Publication

EP 1349378 A1 20031001 (EN)

Application

EP 03251794 A 20030321

Priority

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Abstract (en)

The gain difference between pixels is to be corrected for an image signal obtained by an image sensing element having a plurality of pixels. The first reference image is sensed without any object, and then an object is sensed. Gain correction is performed for the sensed object image by using the first reference image. To perform gain correction again, the second reference image is sensed without any object. Gain re-correction is performed for the object image having undergone gain correction by using the first and second reference images. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] EP 0855678 A2 19980729 - CANON KK [JP]
- [A] EP 0881828 A2 19981202 - CANON KK [JP]

Cited by

EP2133025A1; DE102005025429B3; DE102004003881B4; US7484889B2; US8894280B2; US8027432B2; US7355183B2

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